

Neue Publikationen aus dem IPA

1. Rocha AB, Gallimberti M, Bianchi Ximenez PJ, Basso GC, Martino-Andrade AJ, Koch HM, Calixto LA, Barbosa F. An eco-friendly sample preparation procedure based on air-assisted liquid-liquid microextraction for the rapid determination of phthalate metabolites in urine samples by liquid chromatography-tandem mass spectrometry. *Talanta* 2024; 266: 124974 doi: 10.1016/j.talanta.2023.124974
2. Bergmann K-C, Brehler R, Endler C, Höflich C, Kespohl S, Plaza M, Raulf M, Standl M, Thamm R, Traidl-Hoffmann C, Werchan B. Impact of climate change on allergic diseases in Germany. *J Health Monit* 2023; 8: 76–102 doi: 10.25646/11654
3. Brik A, Wichert K, Weber DG, Szafranski K, Rozynek P, Meier S, Ko Y-D, Büttner R, Gerwert K, Behrens T, Brüning T, Johnen G. Assessment of MYC and TERT copy number variations in lung cancer using digital PCR. *BMC Res Notes* 2023; 16: 279 doi: 10.1186/s13104-023-06566-x
4. Bury D, Weber T, Ebert KE, Zülz S, Brüning T, Koch HM, Kolossa-Gehring M. Increasing Exposure to the UV Filters Octocrylene and 2-Ethylhexyl salicylate in Germany from 1996 to 2020: Human Biomonitoring in 24-h urine samples of the German Environmental Specimen Bank (ESB). *Environ Int* 2023; 182: 108334 doi: 10.1016/j.envint.2023.108334
5. Curi TZ, Passoni MT, Lima Tolouei SE, Araújo Ramos AT de, França de Almeida SC, Scinskas ABAF, Romano RM, Oliveira JM de, Spercoski KM, Carvalho Dos Santos A, Dalsenter PR, Koch HM, Martino-Andrade AJ. Reproductive toxicity following in utero and lactational exposure to a human-relevant phthalate mixture in rats. *Toxicol Sci* 2023; 197: 1–15 doi: 10.1093/toxsci/kfad102
6. Ebert KE, Belov VN, John M, Weiss T, Brüning T, Hayen H, Koch HM, Bury D. Identification, organic synthesis, and sensitive analysis of a cis-homosalate-specific exposure biomarker. *Chem Res Toxicol* 2024; 37: 285–291 doi: 10.1021/acs.chemrestox.3c00287
7. Ebert KE, Griem P, Weiss T, Brüning T, Hayen H, Koch HM, Bury D. Toxicokinetics of homosalate in humans after dermal application: applicability of oral-route data for exposure assessment by human biomonitoring. *Arch Toxicol* 2024; 98: 1383-1398 doi: 10.1007/s00204-024-03704-7
8. Ebo DG, Rihs HP, Mertens CH, van Gasse AL, van der Poorten ML, Hagendorens MM, Sabato V, Elst J. Exploring the thaumatin-like protein (TLP) as a candidate cannabis allergen in North-Western Europe. *Allergy* 2024; 79: 257–259 doi: 10.1111/all.15953
9. Jäger T, Koch HM, Leibold E, Bader M. Human metabolism and urinary elimination kinetics of the fragrance Geraniol after oral dosage. *Chem Res Toxicol* 2023; 36: 1745–1752 doi: 10.1021/acs.chemrestox.3c00206
10. Janssen-Weets B, Lesur A, Dittmar G, Bernardin F, Zahradnik E, Raulf M, Hentges F, Bindslev-Jensen C, Ollert M, Hilger C. Proteomic analysis of horse hair extracts provides no evidence for the existence of a hypoallergenic Curly Horse breed. *Clin Transl Allergy* 2024; 14 doi: 10.1002/ctt2.12329
11. Köhler CU, Schork K, Turewicz M, Eisenacher M, Roghmann F, Noldus J, Marcus K, Brüning T, Käfferlein HU. Use of multiple machine learning approaches for selecting urothelial cancer-specific DNA methylation biomarkers in urine. *Int J Mol Sci* 2024; 25 doi: 10.3390/ijms25020738
12. Koslitz S, Heinrich B, Käfferlein HU, Koch HM, Pelzl T, Pitzke K, Köster D, Weiß T, Harth V, Brüning T, Behrens T, Taeger D. Biomonitoring of polycyclic aromatic hydrocarbons in firefighters at fire training facilities and in employees at respiratory protection and hose workshops. *Front Public Health* 2023; 11: 1277812 doi: 10.3389/fpubh.2023.1277812
13. Marek EM, van Kampen V, Jettkant B, Hoffmeyer F, Bünger J. Comment on ‚Limitations in evaluating COVID-19 protective face masks using open circuit spirometry systems: respiratory measurement mask introduces bias in breathing pressure and perceived respiratory effort‘. *Physiol Meas* 2023; 44 doi: 10.1088/1361-6579/acebb4
14. Marek EM, van Kampen V, Behrens T, Bünger J, Brüning T. Masken zum Schutz vor SARS-CoV-2: Bewertung von Wirksamkeit und gesundheitlichen Beeinträchtigungen. In: Corona und Arbeit: arbeits- und sozialmedizinische Aspekte zu COVID-19 und Post-COVID, A. Nienhaus, S. Letzel, D. Nowak (Eds). 2023

15. Monsé C, Merget R, Pallapies D, Brüning T, Bünger J. Reply on the comments of Ulla Vogel and colleagues on their recently published paper entitled „Re-evaluation of the occupational exposure limit for ZnO is warranted. Comments on ‚Systemic inflammatory effects of zinc oxide particles: is a re-evaluation of exposure limits needed?‘ by Christian Monsé et al.“. *Arch Toxicol* 2024; 98: 1023-1014 doi: 10.1007/s00204-023-03668-0
16. Müller A, Behrens T, Brüning T, Rabstein S. Aufbau einer Bio- und Forschungsdatenbank zu Schichtarbeit: Erfahrungen aus der Praxis zur Harmonisierung von Studien. *Z Arb Wiss* 2024; 78: 113-121 doi: 10.1007/s41449-023-00406-1
17. Neumann S, Casjens S, Hoffmeyer F, Rühle K, Gamrad-Streubel L, Haase L-M, Rudolph KK, Giesen J, Neumann V, Taeger D, Pallapies D, Birk T, Brüning T, Bünger J. Club cell protein (CC16) in serum as an effect marker for small airway epithelial damage caused by diesel exhaust and blasting fumes in potash mining. *Int Arch Occup Environ Health* 2024; 97: 121–132 doi: 10.1007/s00420-023-02035-x
18. Ohlander J, Kromhout H, Vermeulen R, Portengen L, Kendzia B, ..., Brüning T, Behrens T, Straif K, Schüz J, Olsson A, Peters S. Respirable crystalline silica and lung cancer in community-based studies: impact of job-exposure matrix specifications on exposure-response relationships. *Scand J Work Environ Health* 2024; 50: 178-186 doi: 10.5271/sjweh.4140
19. Olsson A, Bouaoun L, Schüz J, Vermeulen R, Behrens T, Ge C, Kromhout H, Siemiatycki J, Gustavsson P, Boffetta P, Kendzia B, ..., Straif K, Brüning T, Vlaanderen J, Peters S. Lung cancer risks associated with occupational exposure to pairs of five lung carcinogens: Results from a pooled analysis of case-control studies (SYNERGY). *Environ. Health Perspect.* 2024; 132: 17005 doi: 10.1289/EHP13380
20. Raulf M. Klimawandel und Typ-I-Allergien im Beruf. *Dermatologie (Heidelberg, Germany)* 2024; 75: 112–117 doi: 10.1007/s00105-023-05271-x
21. Raulf M, Werfel T, Raulf. Mainz allergy workshop in Hanover – position paper on the allergological view of vegan diets – invitations to two allergy conferences and much more. *Allergologie* 2023; 46: 219–220 doi: 10.5414/ALX02418
22. Reale E, Hopf NB, Breider F, Grandjean D, Pirard C, Charlier C, Koch HM, Berthet A, Suarez G, Borgatta M. Repeated human exposure to semivolatile organic compounds by inhalation: Novel protocol for a nonrandomized study. *JMIR research protocols* 2023; 12: e51020 doi: 10.2196/51020
23. van Kampen V, Marek EM, Brüning T, Bünger J. Verwendung von Gesichtsmasken im Betrieb in: Taschenbuch Sicherheitsbeauftragte Öffentlicher Dienst 2024. Universum Verlag GmbH, Wiesbaden.
24. Wan W, Peters S, Portengen L, Olsson A, Schüz J, Ahrens W, Schejbalova M, Boffetta P, Behrens T, Brüning T, Kendzia B, ..., Straif K, Kromhout H, Vermeulen R. Occupational benzene exposure and lung cancer risk: A pooled analysis of 14 case-control studies. *Am J Respir Crit Care Med* 2024; 209: 185–196 doi: 10.1164/rccm.202306-09420C
25. Weber DG, Casjens S, Wichert K, Lehnert M, Taeger D, Rihs H-P, Brüning T, Johnen G, The MSG. Tasks and experiences of the prospective, longitudinal, multicenter MoMar (Molecular Markers) study for the early detection of mesothelioma in individuals formerly exposed to asbestos using liquid biopsies. *Cancers* 2023; 15: 5896 doi: 10.3390/cancers15245896
26. Wrobel SA, Bury D, Koslitz S, Hayen H, Koch HM, Brüning T, Kätterlein HU. Quantitative Metabolism and Urinary Elimination Kinetics of Seven Neonicotinoids and Neonicotinoid-Like Compounds in Humans. *Environ Sci Technol* 2023; 57: 19285–19294 doi: 10.1021/acs.est.3c05040
27. Wrobel SA, Koslitz S, Bury D, Hayen H, Koch HM, Brüning T, Kätterlein HU. Human biomonitoring of neonicotinoid exposures: case studies after the use of a spray-agent to ornamental plants and a topical medication to pets. *Front Public Health* 2024; 11: 1321138 doi: 10.3389/fpubh.2023.1321138

Info

Bei Bedarf können Kopien einzelner Sonderdrucke zur persönlichen Verwendung unter folgender Adresse angefordert werden: IPA, Bürkle-de-la-Camp-Platz 1, 44789 Bochum, ipa@dguv.de